

[54] THERMAL ACTUATOR FOR OPENING AND CLOSING WINDOWS

[75] Inventors: Albert Cole, Keswick; Ronald F. Sturgeon, Bognor Regis, both of England

[73] Assignee: Thermoforce Limited, Cockermouth, England

[**] Term: 14 Years

[21] Appl. No.: 962,619

[22] Filed: Nov. 21, 1978

[30] Foreign Application Priority Data

Jun. 19, 1978 [GB] United Kingdom 985089/78

[51] Int. Cl. D8-07

[52] U.S. Cl. D8/336; D8/400

[58] Field of Search D8/336, 337, 400; 73/363, 363.1, 363.3; 16/48.5; 292/DIG. 66; 49/1, 7

[56] References Cited

U.S. PATENT DOCUMENTS

3,964,125 6/1976 Tansley 16/48.5
4,140,017 2/1979 Cole et al. 73/363

Primary Examiner—James M. Gandy
Attorney, Agent, or Firm—Shoemaker and Mattare, Ltd.

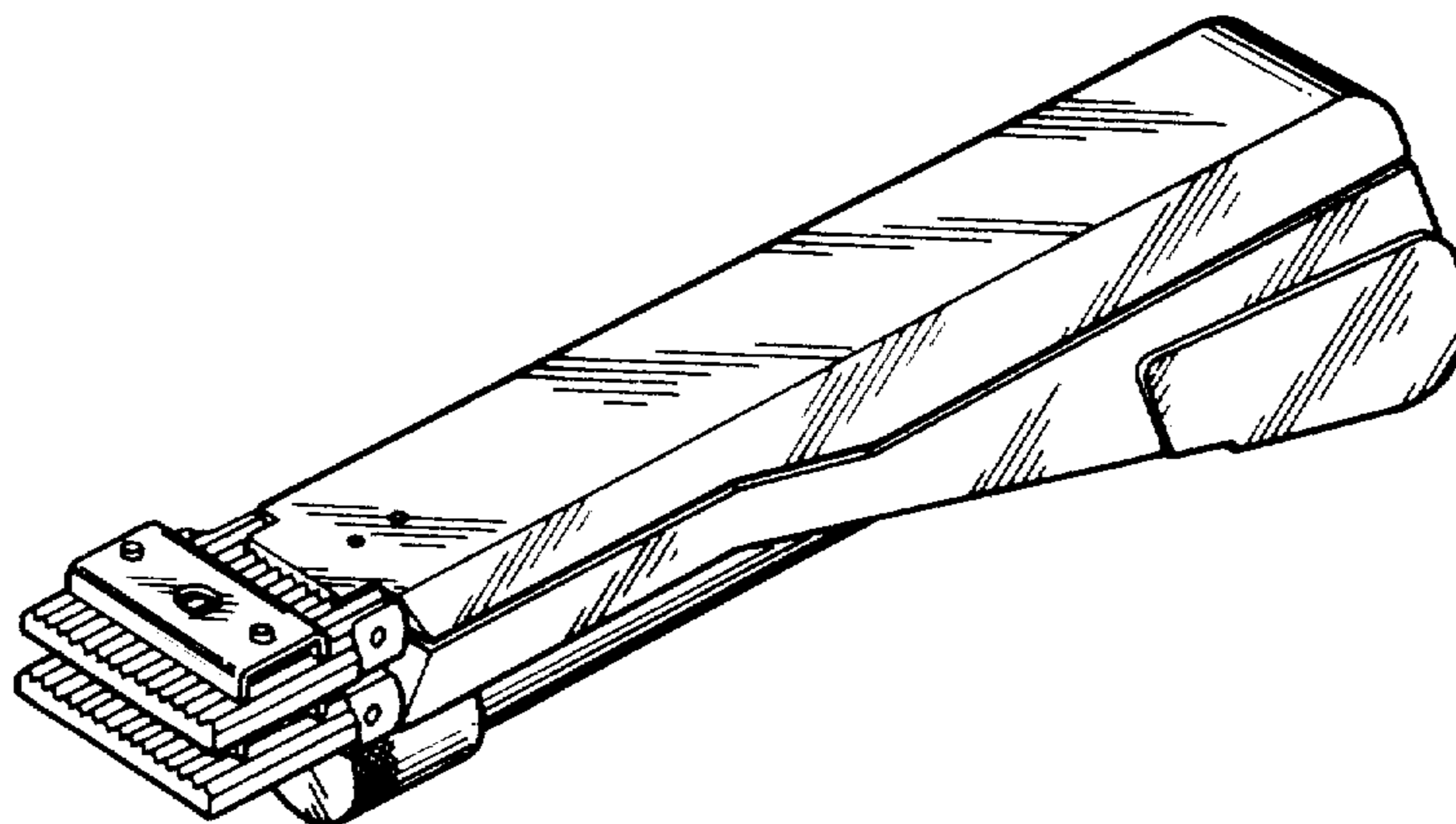
[57] CLAIM

The ornamental design for a thermal actuator for opening and closing windows, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a thermal actuator for opening and closing windows showing our new design; FIG. 2 is a perspective view thereof in partially open condition;

FIG. 3 is a side elevational view thereof; FIG. 4 is a bottom plan view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a rear elevational view thereof; and FIG. 7 is a front elevational view thereof.



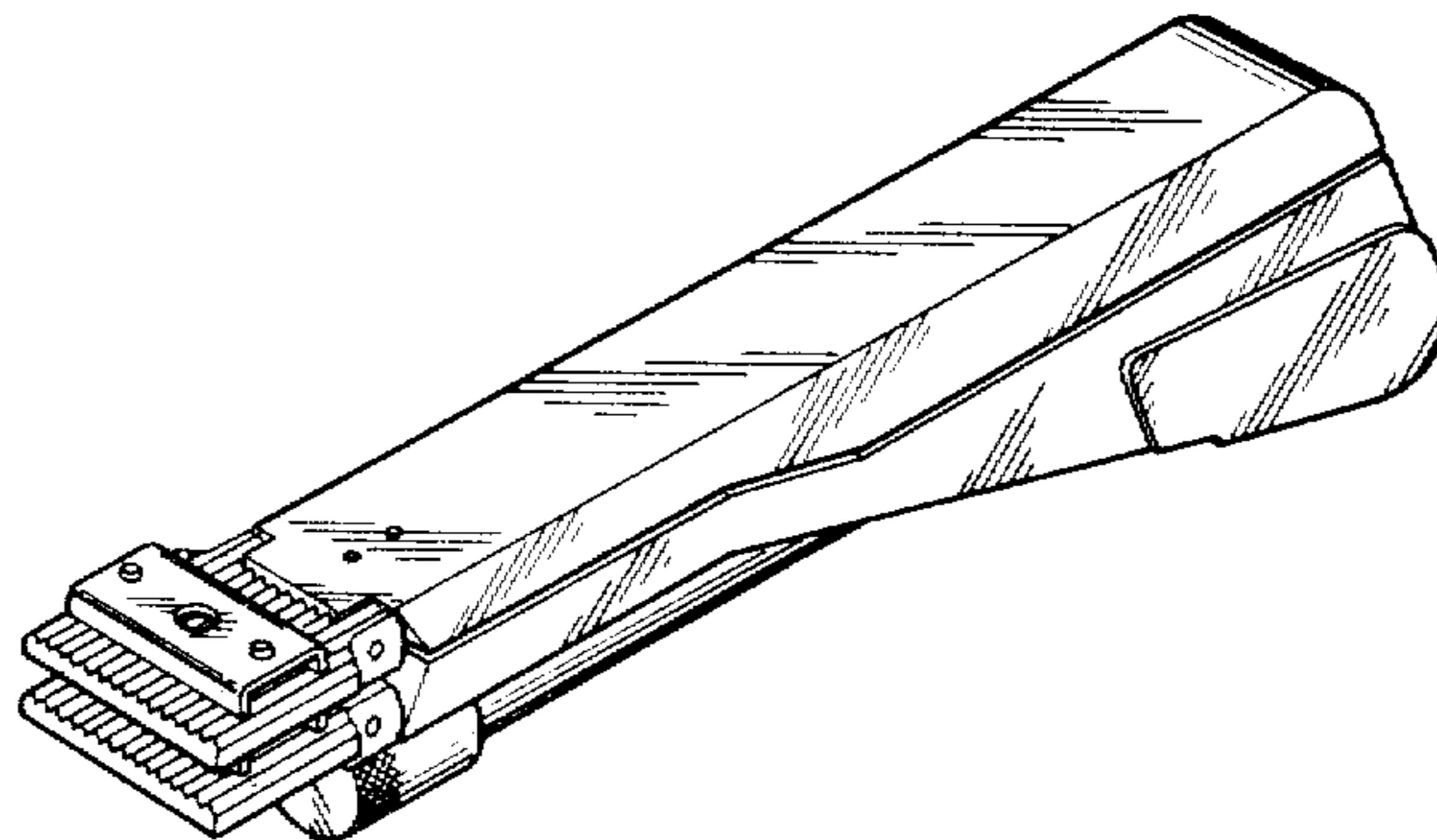


Fig. 1

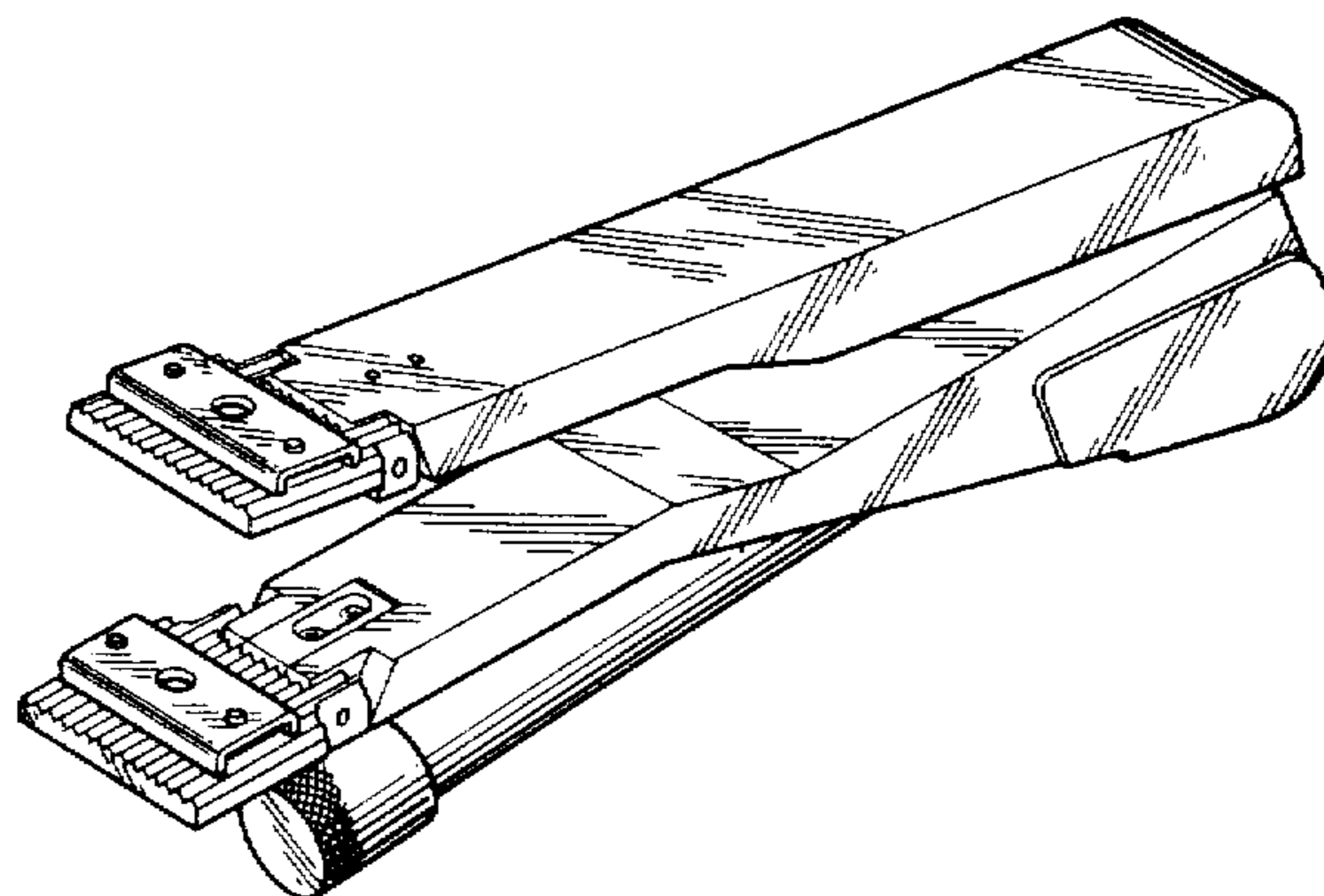


Fig. 2

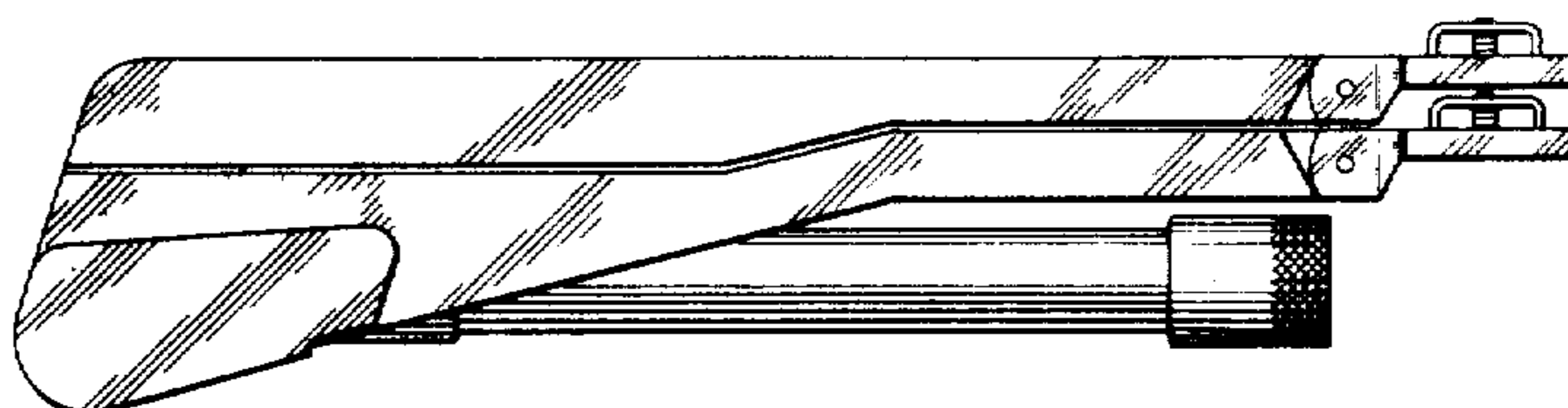


Fig. 3

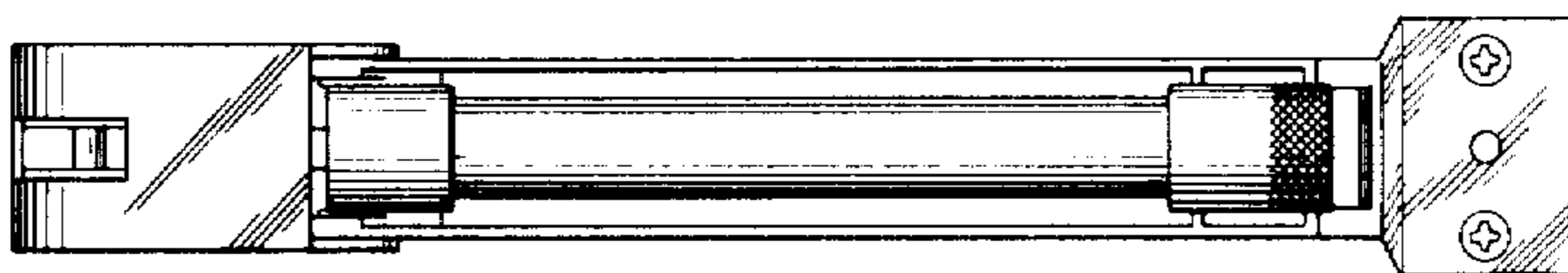


Fig. 4

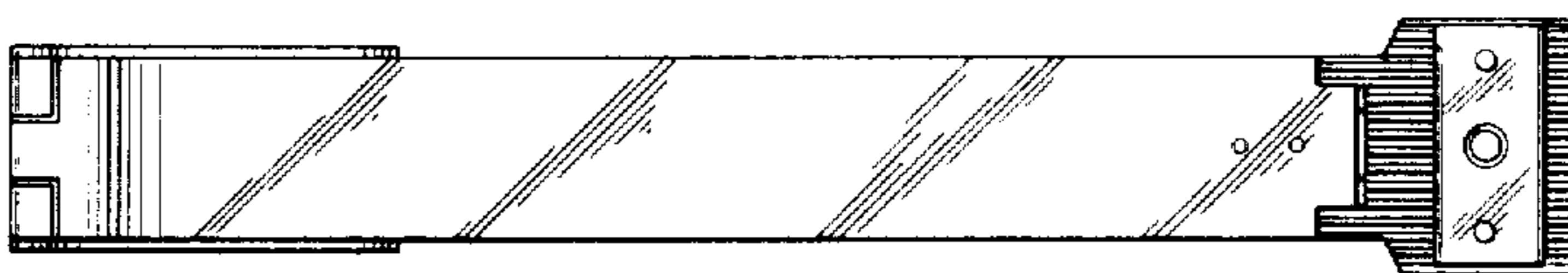


Fig. 5

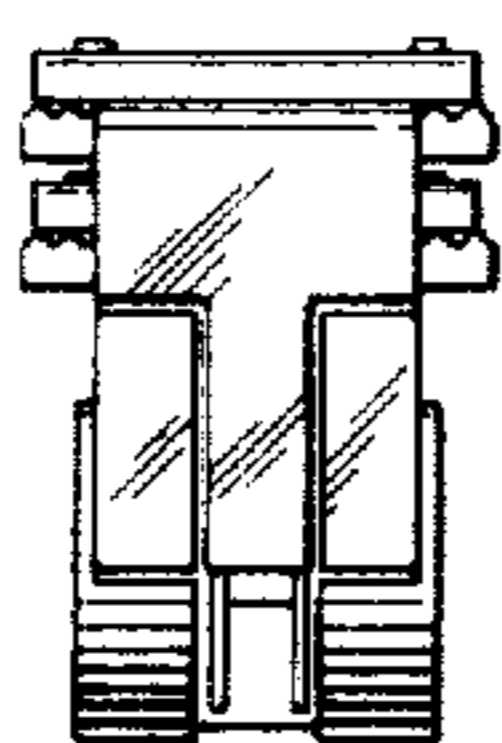


Fig. 6

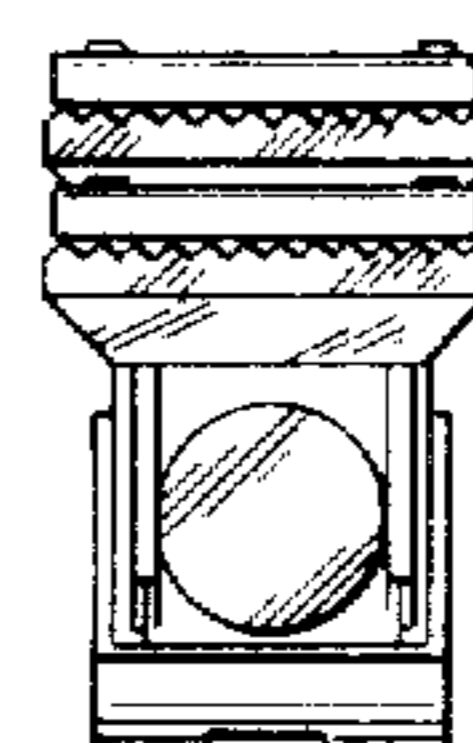


Fig. 7